

ABSTRACT

Molds for injection molding a light guide plate in which a plurality of pin gates and/or film gates for injecting a melted resin material for molding into the cavity portion are formed at portions corresponding to the side portions of the product, a room for balancing flow having an ear shaped portion to which the material is supplied is disposed between each gate and a sprue or a runner, and the area of each gate is set so that the temperature of the material introduced into the cavity is higher than that supplied to each room by at least 5°C due to heat generated from shearing when the material passes through the gate; and a process for producing a light guide plate using the molds. Formation of weld lines, sink marks, flow marks and warp is suppressed, and a product exhibiting excellent quality without the necessity of steps of gate cutting and finishing can be obtained.